

## **Gulf of Maine Ocean Observing System (GoMOOS): Sustaining the System**

### **Gulf of Maine Ocean Observing System**

The primary goal of the project is to maintain existing capabilities, including the flow of data upon which our users have grown to depend. Therefore, these funds will support core aspects of the observing subsystem and basic staff support for the organization and its Board of Directors. Priorities involve elements that have proven reliable in the past and/or serve well-defined strategic needs for regional users and the IOOS in general. The prioritized list includes the 3 basic subsystems: (1) data acquisition, (2) modeling, and (3) data management and communications (DMAC).

For the other vital aspects of the overall program, including user outreach, product development and analysis, Regional Association development, and data integration, we will pursue other sources of income. For example, the President of the Board is lead PI on a Regional Association Development Grant proposal that will allow regional interests to determine how GoMOOS should further evolve to meet a truly regional set of needs and objectives. To broaden regional participation and assure the data from regional providers are integrated and transformed into useful products, GoMOOS has been hosting and helping to develop the Gulf of Maine Ocean Data Partnership. Consistent with the Partnership objectives, GoMOOS is also developing a Memorandum of Agreement with the Federal Geographic Data Committee (FGDC) which includes a corresponding set of support activities. Finally, GoMOOS has been contracting with the Southeastern Universities Research Association (SURA) to provide support for the SURA Coastal Ocean Observing and Prediction (SCOOP) program. SCOOP partners, including GoMOOS, are working closely with the NOAA Coastal Service Center to help provide the “IT glue” that will hold together the various regional elements into a truly national system of systems for ocean observing, with the broader goal of becoming the oceanic component of the Global Earth Observing System of Systems (GEOSS).

#### **Accomplishments to Date:**

- Four years of sustained collection and delivery of data, with associated modeling and analysis,
- User-driven information product development targeting a variety of user sectors,
- Interoperability with the NDBC and regional Weather Service offices, which provide regular reporting of GoMOOS data on NOAA weather radio,
- On-line, decision-support tools for fisheries managers with GIS visualization
- Support and hosting for the Gulf of Maine Ocean Data Partnership,
- Creation and hosting of the Gulf of Maine Mapping Portal ([www.GoMMaP.org](http://www.GoMMaP.org)), which provides a single point of access for on-line GIS products that dynamically integrate data from dozens of organizations in the U.S. & Canada, and
- Ongoing support for, and contributions to, the nationwide interoperability demonstration at [www.openioos.org](http://www.openioos.org).